

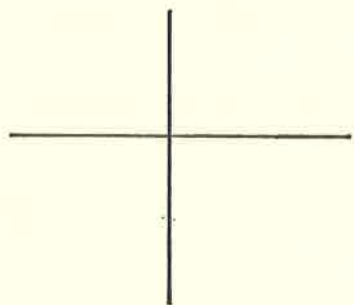
Use the zero product property to solve:

1.  $6x^2 - 3x = 0$

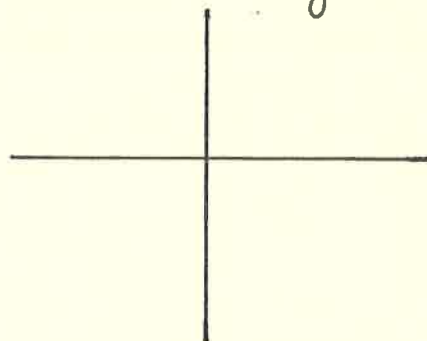
2.  $x^2 + 5x - 14 = 0$

Find the x & y intercepts & quickly sketch:

3.  $x + 6y = 6$



4.  $-2x + 5y = 10$

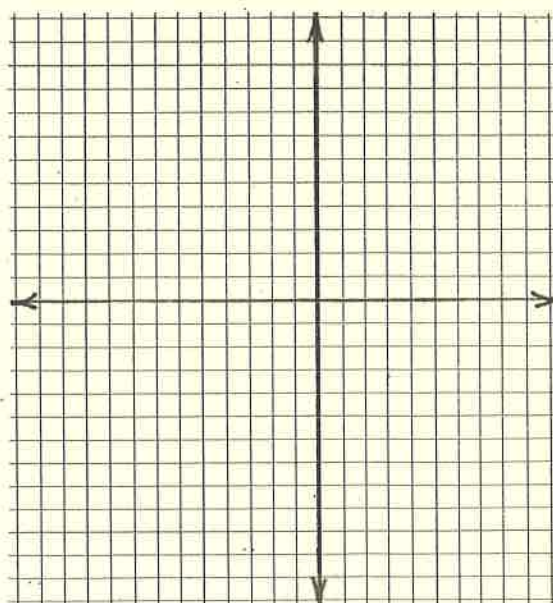


5. Solve:

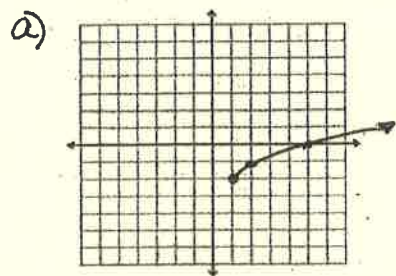
a)  $\frac{x}{7} - 6 = 36$

b)  $x^2 - 4x + 3 = 0$

6. Graph:  $y = x^2 + 8x + 7$   
(find x & y-intercepts & vertex)

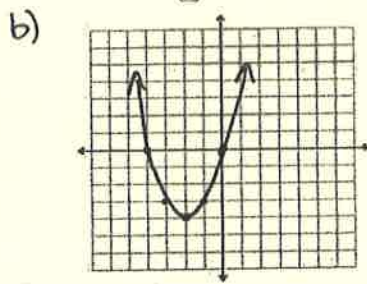


7) State the domain and range:



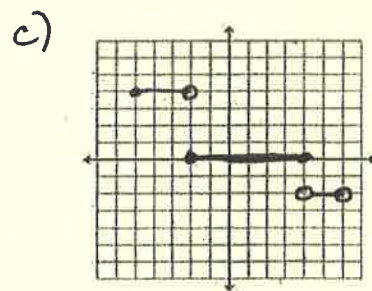
domain: \_\_\_\_\_

range: \_\_\_\_\_



d: \_\_\_\_\_

r: \_\_\_\_\_



d: \_\_\_\_\_

r: \_\_\_\_\_

8) Find the starting point for each square root graph.

a)  $y = \sqrt{x+2} - 5$

b)  $y = \sqrt{x} + 3$

c)  $y = \sqrt{x-1} + 7$

9)  $f(x) = \frac{8}{x-1}$

a) find  $f(7)$

b) find  $x$  if  $f(x) = 6$

10) Use the y-intercept & slope to quickly sketch the graph

a)  $y = \frac{2}{5}x - 1$

b)  $y = -3x + 2$

c)  $y = \frac{1}{4}x$

